

FYP REPORT OUTLINE

SECTION A : FYP1

CHAPTER 1: INTRODUCTION (FYP1)

1. Introductory Paragraph

- State the general field of interest in one or two paragraphs, and end with a sentence that states what study will accomplish.
- Aim to spark interest and show why this is a timely or important topic for a dissertation

2. Background

- A brief two to four pages summary of the major findings in the field of interest that cites the most current finding in the subject area.
- A minimum of two to three citations to the literature per paragraph.
- The paragraphs must be a summary of unresolved issues, conflicting findings, social concerns, or educational, national, or international issues, and lead to the next section, the statement of the problem.
- Focus of this section is where a gap in the knowledge is found in the current body of research in literature.

3. Problem statement

- State the main problem (a summary of the previous section) that you want to solve
- 2 problem statements

4. Purpose of the study/project

- Reflect to the previous section – problem
- State your aim (the long term goal...what exactly are you trying to solve/do)

State your objective (the short term goal). Objectives are steps or milestone in order for you to achieve your aim. What should you do to achieve the aim. Normally in 3 to 4 objectives.

Example:

- i. To study...
- ii. To develop...
- iii. To test...

5. Scope

- The extent of the study and contains measurements.
- Who is the target user/participant?
- What are the functions and features of the system?
- Where is it implemented or platform used?
- Where / What is the security element in the system?

6. Significance of the study/project

- A statement of why it is important to determine the answer to the research gap / problem in the knowledge, and is related to improving the human condition.
- The contribution to the body of knowledge is described, and summarizes who will be able to use the knowledge to example, make better decisions, improve policy, advance science, or other uses of the new information.

7. Overview of the dissertation/report

- List what chapters will follow after Chapter 1 in the dissertation/report
- Summarising each chapter to clearly show how it contributes to the main aim of the project/study

CHAPTER 2: LITERATURE REVIEW (FYP1)

1. Introduction to the chapter.
 - What would be covered in this chapter?
 - Brief of each section
2. Start with the most general topic. Example> FYP Title: Securing TNB website
 - Most general topic: website
 - i. Definition
 - ii. Type of website
 - iii. Common features of website
3. Continue with the specific topics of the title
 - Eg. Vulnerability of website
 - Eg. Security method for website
 - Others
4. Research Gaps
 - Summarized what has been done in literature (as covered in the chapter)
 - What has not been covered by researchers on the topic?
 - How you are going to fill the gap (relate back to the project topic)
5. Please ensure that in this chapter, you only talk about what previous people have done or proposed or researched on... not talk about your work other than in the last paragraph within research gaps section

CHAPTER 3: METHODOLOGY (FYP1)

1. Introduction to the chapter
2. Describe available methods or software development model
3. Make known the model you will be using and justify why you chose the model
4. Explain how/what you are going to do at each phase. Example:
 - Do survey or interview to collect data or find out requirement
 - Create Gantt chart for project planning and work breakdown structure
 - Detail design of your system
 - i. System Architecture Diagram
 - ii. Flow chart
 - iii. Activity diagram
 - iv. Sitemap Diagram (if necessary)
 - v. Threat model diagram
5. System requirements:
 - Hardware / Software
 - Budget and Costing
6. Project Planning
7. Summary / Conclusion of the chapter

SECTION B: FYP2

CHAPTER 4: SYSTEM DEVELOPMENT (FYP2)

1. Introduction to the chapter
2. Preparation. Example:
 - Settings / setup – installation of required plugin or software
3. Development – version 1
 - Snippets of main code or features
4. Development – version 2 ... n (depends on model chosen – if there is iteration, should show in development process)
5. Summary

CHAPTER 5: RESULT AND FINDINGS (FYP2)

1. Introduction to the chapter
2. Type of testing – example:
 - Function
 - Security
 - User acceptance
3. Each testing must have test case
4. Summary

CHAPTER 6: CONCLUSIONS (FYP2)

1. General conclusion of the overall project
2. Discuss why the findings is like what you have found – relate to other products or researchers' findings. Example:
 - If your test show that SQLi test failed – justify why it has failed.
 - Your user acceptance test show that user really like your project, describe why.
3. Describe how you have achieved all of your objectives. Give evidence of achievement.
Example:
 - Objective 1 – this has been achieved based on the literature analysis shown in chapter 2, section 2.3... (explain more)
4. Limitation of your project. Example: This system only works in a Local Area Network environment
5. Recommendation – based on the limitation. Example: This project can expand to cloud based where...